

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
 FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMAȚIEI
 DEPARTAMENTUL DE TELECOMUNICAȚII ȘI TEHNOLOGII INFORMAȚIONALE
 Examen pentru promovare pentru ocuparea postului de conferențiar universitar poz. 9
 Disciplinele postului: Informatică Aplicată 1, Internet of Things

FIȘA DE VERIFICARE
 a îndeplinirii standardelor minime naționale de prezentare la examenul de promovare pe postul de
 conferențiar universitar

Candidat: MĂTĂSARU PETRE-DANIEL / Data nașterii: [REDACTED] Funcția actuală: șef lucrări, Data numirii în funcția actuală: 1.10.2014 Instituția: Universitatea Tehnică
 "Gheorghe Asachi" din Iași

| Nr. crt. | Domeniul de activitate | Conferențiar | Conferențiar |
|-----------|--|-------------------------|---------------------|
| | | Standarde minime impuse | Standarde realizate |
| A1 | Activitatea didactică/ profesională (A1) | 50 | 70 |
| A2 | Activitatea de cercetare (A2) | 300 | 403.24 |
| A3 | Recunoașterea impactului activității (A3) | 50 | 409.2 |
| TOTAL (A) | | 400 | 882.44 |

Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei PO.DID.12_A1.3.

| Condiții minime obligatorii pe subcategorii | | Conferențiar | Conferențiar |
|--|---|---|---------------------|
| | | Standarde minime impuse | Standarde realizate |
| A1.1.1 – A1.1.2 | Cărți de specialitate | 1 carte / capitol | 2 |
| A2.1 | Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings. | 6 din care minim 1 în reviste cotate ISI Q1 sau Q2 | 7 (4 Q1/Q2) |
| A2.4.1 | Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener) | 1 | 1 |
| A3.1.1 | Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS) | 10 | 158 |
| Factor de impact ISI cumulat pentru publicații | | 4 | 18.662 |

Candidat. MĂTĂSARU PETRE-DANIEL

Data: 17.12.2025

| Criteriul de evaluare | Indicatori de performanță (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1) | Punctaj |
|--|--|---------|
| 1. Activitate didactică și profesională (A1) | Cărți de autor sau capitole de specialitate în edituri cu ISBN Realizări: A 1.1.2.1. L. Trifina, Daniel Mătășaru, <i>"Interleavere pentru coduri Turbo"</i> , Ed. Tehnopress, 2013, ISBN:978-973-702-983-6, 177 pg (acad.) Punctaj: 50/nr. Autori = 50/2 = 25p | 25 |
| | A 1.1.2.2. Irinel Casian Botez, Daniel Mătășaru, <i>"Rețele de Calculatoare și Utilizare Internet"</i> , Ed. CERMI, 2005, ISBN:973-667-141-0, 125 pg (acad.) Punctaj: 50/nr. Autori = 50/2 = 25p | 25 |
| | Material didactic / Lucrări didactice publicate în edituri cu ISBN Realizări: A 1.2.1.1 L. Trifina, D. Mătășaru, <i>"Transmisia și codarea informației Decizie și estimare în prelucrarea informației - îndrumar de laborator"</i> , Ed. Tehnopress, 2013, ISBN:978-973-702-984-3, 86 pg. (acad) Punctaj: 40/nr. Autori = 40/2 = 20p | 20 |
| Total punctaj Criteriu A1 | | 70 |
| | A2.1. Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI Realizări: 2.1.1 Niculescu, O., Dimitriu, D.G., Paun, V.P., Mătășaru, P. D., Scurtu, D., Agop, M., <i>"Experimental and theoretical investigations of a plasma fireball dynamics"</i> , Physics of Plasmas, vol.17, no. 4, 2010 (Impact factor 2.314 in 2010 - Q2) Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 2.314) / 6 = 15.73$ p | 15.73 |
| | 2.1.2 Sandu, A.V.; Vasilache, V.; Sandu, I.G.; Sieliechi, J.M.; Kouame, I.K.; Matasaru, P.D.; Sandu, I. <i>Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination</i> . MATERIALS 2019 (Q1 - Impact Factor 3.2 (pe anul 2024), Volume: 12 Issue: 23, Article Number: 3836, DOI: 10.3390/ma12233836 Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.2) / 7 = 17.28$ p | 17.28 |
| | 2.1.3. Luhar I, Luhar S, Abdullah MMA, Razak RA, Vizureanu P, Sandu AV, Matasaru P.D.: <i>"A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment"</i> MATERIALS 2021 (Q1 - Impact Factor 3.748 (2021), vol.14, Is. 23, Article Number 7456, DOI 10.3390/ma14237456 Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.748) / 7 = 19.63$ p | 19.63 |
| | 2.1.4 Wattanapanich C., Imjai T., Garcia R., Rahim N.L., Abdullah M.M.A., Sandu A.V., Vizureanu P., Matasaru P.D., Thomas B.S. <i>"Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions"</i> MATERIALS (Basel, Switzerland), vol.16, Is. 2, Article Number 851, DOI 10.3390/ma1602085, 2023 (Q2), Impact Factor 3.4 (2023). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.4) / 7 = 14.11$ p | 14.11 |
| | 2.1.5 Scripcariu Luminita, Daniel Mătășaru, Diaconescu Vlad: <i>"Comparison of Materials Used for Electrical Battery Components with Low Environmental Impact"</i> – UPB Scientific Bulletin Series C-Engineering and Computer Science, ISSN 1223-7027, Vol. 73, Issue No. 3, pp. 83-92, 2017, Impact Factor 0.3 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.3) / 3 = 11.33$ p | 11.33 |
| | 2.1.6 Daniela Ionescu, Daniel Mătășaru, Viviana Radu: <i>"Study of the Diffusion Controlled Properties in the Ferrite-Ferroelectric Nanocomposites"</i> – UPB Scientific Bulletin Series A-Applied Mathematics and Physics, ISSN 1223-7027, Vol. 75, Issue No. 4, pp. 265-274, 2013, Impact Factor 0.6 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.6) / 3 = 14.33$ p | 14.33 |
| | 2.1.7 Luminita Dandu-Bibire, Zoltan Borsos, Daniel Mătășaru, Irinel Casian-Botez, Adrian Niculescu, Maricel Agop: <i>"Gun-type effects in a generalized Maxwell field"</i> – UPB Scientific Bulletin Series a-Applied Mathematics and Physics Volume: 73 Issue: 2 Pages: 175-184, 2011 Impact Factor 0.6 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.6) / 6 = 7.16$ p | 7.16 |
| | 2.1.8. P.D. Mătășaru, L. Scripcariu, F. Diaconu: <i>"On the QoS for Satellite IP networks: a Follow-Up"</i> , 2019 International Symposium on Signals, Circuits | 10.83 |

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| and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83 \text{ p}$ | |
| 2.1.9. F. Diaconu, L. Scripcariu, P.D. Mătăsar, F. Mocanu: " <u>Hardware Design of a (2,1,2) Binary Convolutional Encoder Circuit</u> ", 2019 International Symposium on Signals, Circuits and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12 \text{ p}$ | 8.12 |
| 2.1.10. L. Scripcariu, F. Diaconu, P.D. Mătăsar, F. Mocanu: " <u>Proposal and Analysis of a New Image Encryption Algorithm</u> ", 2019 International Symposium on Signals, Circuits and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12 \text{ p}$ | 8.12 |
| 2.1.11. Petre-Daniel Mătăsar, Luminița Scripcariu, Felix Diaconu, " <u>Analysis of proposed innovative methods for training students in IoT and Computer Networks within the frame of current trends in Technical and Vocational Education</u> ", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE 2018), 18-19 October 2018, Iasi, Romania, ISBN 978-1-5386-5061-5 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83 \text{ p}$ | 10.83 |
| 2.1.12. F. Diaconu, L. Scripcariu, P.D. Mătăsar, L. Gafencu: " <u>Hardware Design of a 7-DFT Computing Circuit Operating on a Galois Field</u> ", ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28-30 June 2018, Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12 \text{ p}$ | 8.12 |
| 2.1.13. L. Scripcariu, F. Diaconu, P.D. Mătăsar, L. Gafencu, " <u>AES Vulnerabilities Study</u> ", ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28-30 June 2018, Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12 \text{ p}$ | 8.12 |
| 2.1.14. V.D. Diaconescu, L. Scripcariu, P.D. Mătăsar, M.R. Diaconescu: " <u>Risk Identification in a Smart Monitoring System Used to Preserve Artefacts Based on Textile Materials</u> ", ICIR - International Conference on Innovative Research 2018, 17-18 May 2018 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12 \text{ p}$ | 8.12 |
| 2.1.15. D. Ionescu, P.D. Mătăsar: " <u>Analysis of some specular nano-oxide-layer spin valve used for digital applications</u> ", 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 04010 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25 \text{ p}$ | 16.25 |
| 2.1.16. P.D. Mătăsar, L. Scripcariu: " <u>Innovative method for training students to develop enterprising, decision-making and cooperation skills through complex computernetworks team-design</u> ", 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 08007 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25 \text{ p}$ | 16.25 |
| 2.1.17. L. Scripcariu, P.D. Mătăsar: " <u>Complex approach in telecommunication engineering education: develop engineering skills by a team project</u> ", 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 08003 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25 \text{ p}$ | 16.25 |
| 2.1.18. F. Diaconu, P.D. Mătăsar, L. Scripcariu: " <u>Hardware Design of an RS (7, 5) Data Coding Circuit Used by Digital Communication Systems</u> ", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83 \text{ p}$ | 10.83 |
| 2.1.19. P.D. Mătăsar, L. Scripcariu, F. Diaconu: " <u>An up-to-date overview on QoS for Satellite IP networks</u> ", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83 \text{ p}$ | 10.83 |
| 2.1.20. L. Scripcariu, P.D. Mătăsar, F. Diaconu: " <u>Extended DES Algorithm to Galois Fields</u> ", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83 \text{ p}$ | 10.83 |
| 2.1.21. Alexandru Constantin Alexandrescu, Tecla Castelia Goras, Dimitrie Alexa, Irinel Valentin Pletea, Petre-Daniel Mătăsar, " <u>RNSIC-1 Based Wind</u> | 6.5 |

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| <p><u>Energy Conversion</u>" 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 74 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p</p> <p>2.1.22. C. Aghion, M. Lucanu, O. Ursaru, D. Mătăsar, <u>"Implementation Of The ISPWM-DPWM-S2 Technique On A Microcontroller"</u> 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 18 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p</p> <p>2.1.23. Luminița Scripcariu, P.D. Mătăsar, <u>"On the Substitution Method of the AES Algorithm"</u> 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 15 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25$ p</p> <p>2.1.24. Vlad-Andrei Scarlatache, Andrei Niagu, Daniel Mătăsar, Romeo Cristian Ciobanu, Brunetto Martorana, <u>"Modification of dielectric properties, after barium titanate nanoparticles sintering, from a thermoplastic polymer matrix"</u> 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October 2012, Iasi, Romania, ISBN 978-1-4673-1171-7 pag. 94-98 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p</p> <p>2.1.25. Daniel Mătăsar, Vlad-Andrei Scarlatache, Andrei Pruteanu, Bogdana Florean, Georgiana Viziteu, <u>"Analysis of dielectric loss at high frequency, for a nanocomposite polymer matrix, based on Polypropylene with insertion of multi-walled carbon nanotubes (MWCNTS)"</u>, 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October 2012, Iasi, Romania, ISBN 978-1-4673-1171-7 pag. 116-119 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p</p> | <p>8.12</p> <p>16.25</p> <p>6.5</p> <p>6.5</p> |
| <p>A2.2. Articole în reviste și lucrări în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI) Realizări:</p> <p>2.2.1. P.D. Mătăsar, L. Scripcariu, <u>"Improving Online Teaching by Short-Time Activities"</u>, 2022 International Conference and Exposition on Electrical and Power Engineering (EPE 2022), 19-21 October 2022, Iasi, Romania Punctaj: $20 / \text{nr. autori} = 20 / 2 = 10$ p</p> <p>2.2.2. P. D. Mătăsar, L. Scripcariu and Ș. C. Stoica, <u>"Presentation of a Development Kit for IoT Applications and a Potential Solution for Communications Security."</u> 2021 International Symposium on Signals, Circuits and Systems (ISSCS), 2021, pp. 1-5, doi: 10.1109/ISSCS52333.2021.9497375, ISBN: 978-1-6654-4943-4 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p</p> <p>2.2.3. L. Scripcariu, A. -E. Birlădeanu and P. -D. Mătăsar, <u>"Improved C-Language Implementation of AES Algorithm for WSN"</u>, 2021 International Symposium on Signals, Circuits and Systems (ISSCS), 2021, pp. 1-4, ISBN: 978-1-6654-4943-4, doi: 10.1109/ISSCS52333.2021.9497394 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p</p> <p>2.2.4. Stoica C., Mătăsar, P., Scripcariu, L. <u>"Reducing Power Consumption in Smart Monitoring Systems with BLE Wireless Technology"</u> International Conference on Innovative Research (ICIR) Iasi, 21st–22nd of May 2020, IOP Conference Series: Materials Science and Engineering. 877. 012060. 10.1088/1757-899X/877/1/012060 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p</p> <p>2.2.5. Scripcariu L., Mătăsar, P. D., Mocanu, F. <u>"On the Security of a Smart City SDN-Based Network"</u>, International Conference on Innovative Research (ICIR) Iasi, 21st–22nd of May 2020, IOP Conference Series: Materials Science and Engineering. 877. 012051. 10.1088/1757-899X/877/1/012051 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p</p> <p>2.2.6. L. Scripcariu, P.D. Mătăsar and F. Mocanu, <u>"Smart School Application Scenario"</u>, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 185-188, doi: 10.1109/EPE50722.2020.9305654 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p</p> <p>2.2.7. P.D. Mătăsar: <u>"Smart Lock System for Airbnb Platform using Global Navigation Satellite System Services"</u>, ICIR - International Conference on</p> | <p>10</p> <p>6.66</p> <p>6.66</p> <p>6.66</p> <p>6.66</p> <p>6.66</p> <p>20</p> |

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| | Innovative Research 2019, 16-17 May 2019 Iasi, Romania. Punctaj: 20/nr. autori = 20 / 1 = 20 p | |
| | A2.4. Granturi / Proiecte de cercetare câştigate prin competiție sau Contracte cu agenți economici de minim 10.000 USD echivalent încasați Realizări: 2.4.1.2.1 Director grant "Cercetări privind modelarea și optimizarea sistemelor IoT inteligente pentru eficiență operațională și sustenabilitate în transportul feroviar" – Contract nr. 22672/16.06.2025 cu SC Prod Company SRL, valoare 52.000 RON (10.333,86 EUR) fără TVA – 6 luni. Punctaj: 10 * ani desfășurare = 10 / 0.5 = 5 p | 5 |
| | 2.4.2.1.1 Membru echipă grant "Terapie hipertermo-chemoterapică combinată pentru controlul tumorilor hepatice, bazată pe activarea cu microunde a unor nanostructurifuncționalizate imobilizate subendotelial", ERA-Net EuroNanoMed JTC-3 (2011-2014) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 3 = 12 p | 12 |
| | 2.4.2.1.2 Membru echipă grant "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC", PN III ERA NET nr. 9/2015 (2015-2016) Director grant Prof. dr. ing. Cristina Schreiner Punctaj: 4 * ani desfășurare = 4 * 2 = 8 p | 8 |
| | 2.4.2.1.3. Membru echipă grant "Innovative nano-materials and architectures for integrated piezoelectric energy harvesting applications", PN III ERA NET nr. 50/2016 (2016-2019) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 4 = 16 p | 16 |
| | 2.4.2.1.3. Membru echipă grant "Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetice într-un oras durabil", PN III ERA NET nr. 83/2016 (2016-2018) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 3 = 12 p | 12 |
| Total punctaj Criteriu 2 | | 403.24 |
| 3. Recunoașterea și impactul activității | A3.1.1. Citări în cărți, reviste și volume ale unor manifestări științifice – cărți, reviste cotate ISI Realizări: Reviste cotate ISI și volume ISI Proceedings – citările pot fi verificate la adresa: https://www.webofscience.com/wos/author/record/B-9699-2011 A3.1.1.1. Niculescu, O., Dimitriu, D.G., Paun, V.P., Matasaru, Daniel, Scurtu, D., Agop, M., "Experimental and theoretical investigations of a plasma fireball dynamics", Physics of Plasmas, vol.17, no. 4, 2010 Source: Physics of Plasmas, Volume: 17 Issue: 4 Published: APR 2010 DOI:10.1063/1.3381067 Cited in WoS: 35, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 Calcul: 16 articole care citează sunt Q1 sau Q2, din totalul de 35 == >> Punctaj total: 16 x 2 x 8/6 + (35-16) x 8/6 = 42.66 + 25.34 = 68p 1 Experimental and theoretical investigations of plasma multiple double layers and their evolution to chaosPLASMA SOURCES SCIENCE & TECHNOLOGY, Q1, Dimitriu, DG; Afori, M; Ivan, LM; Radu, V; Poll, E; Agop, 2 On the interaction between two fireballs in low-temperature plasmaPHYSICS OF PLASMAS, Q2, Dimitriu, DG; Irimiciuc, SA; Popescu, S; Agop, M; Ionita, C; Schrittwieser, RW 3 Experimental and Theoretical Investigations of the Negative Differential Resistance in a Discharge PlasmaJOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, Q2, Agop, M; Nica, P; Niculescu, O; Dimitriu, DG 4 Spectral and electrical diagnosis of complex space-charge structures excited by a spherical grid cathode with orifice, PHYSICA SCRIPTA, Q2, Schrittwieser, RW; Ionita, C; Teodorescu-Soare, CT; Vasilevici, O; Gurtui, S; Irimiciuc, SA; Dimitriu, DG 5 Experimental investigations of the nonlinear dynamics of a complex space-charge configuration inside and around a grid cathode with holePHYSICA SCRIPTA, Q2, Teodorescu-Soare, CT; Dimitriu, DG; Ionita, C; Schrittwieser, RW 6 Theoretical Modeling of Long-Time Drug Release from Nitrosalicyl-Imine-Chitosan Hydrogels through Multifractal Logistic Type LawsCOMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, Q2, Craciun, AM; Barhalescu, ML; Agop, M; Ochiuz, L 7 The force exerted by a fireball, PHYSICS OF PLASMASQ2, Makrinich, G; Fruchtmann, A 8 Novel Approach for EEG Signal Analysis in a Multifractal Paradigm of Motions. Epileptic and Eclamptic Seizures as Scale TransitionsSYMMETRY-BASEL, Q2, Irimiciuc, SA; Zala, A; Dimitriu, D; Himiniuc, LM; Agop, M; Toma, BF; Gavril, LG; Vasincu, D; Eva, L 9 Experimental and theoretical evidence for the chaotic dynamics of complex structures, PHYSICA SCRIPTA, Q2Agop, M; Dimitriu, DG; Niculescu, O; Poll, E; Radu, V 10 Moderate Deviations for Stochastic Fractional Heat Equation Driven by Fractional Noise, COMPLEXITY, Q2, Sun, XC; Li, M; Zhao, W 11 Poly(vinyl alcohol boric acid)-Diclofenac Sodium Salt Drug Delivery Systems: Experimental and Theoretical StudiesJOURNAL OF IMMUNOLOGY RESEARCH, Q2, Alincai, D; Dorobantu, AM; Dima, B; Irimiciuc, SA; Lupascu, C; Agop, M; Olguta, O 12 Prospects and Challenges of the Drug Delivery Systems in Endometriosis Pain Management: Experimental and Theoretical AspectsJOURNAL OF IMMUNOLOGY RESEARCH, Q2, Toma, BF; Socolov, R; Popa, O; Socolov, D; Nica, I; Agop, M; Vasincu, D; Grigore, M; Ochiuz, L 13 Fractal Modeling of Polymer Plasma Laser Ablation, Plasma Plume Tsallis Entropy and Its q-Statistics Interpretation, Part I: Theory, ENTROPY, Q2, Paun, MA; Paun, VA; Paun, VP 14 Order to Chaos Transition in Plasma via Non-Differentiability: Experimental and Theoretical InvestigationsJOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, Q2, Agop, M; Dimitriu, DG; Vrajițoiu, L; Boicu, M | 68 |

- 15 Solid components separation from heterogeneous mixtures through turbulence control, POWDER TECHNOLOGY, Q2, Nedeff, V; Lazar, G; Agop, M; Eva, L; Ochliuz, L; Dimitriu, D; Vrajitoriu, L; Popa, C
- 16 Experimental investigation on low frequency instability in a fireball plasma sustained by a surrounding double layer, PHYSICA SCRIPTA, Q2Sut, P; Gogol, P; Biswas, S; Adhikary, NC; Bailung, H
- 17 NEW WAY IN FRACTAL ANALYSIS OF PULMONARY MEDICAL IMAGESUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Postolache, P; Borsos, Z; Paun, VA; Paun, VP
- 18 Self-Organized Space Charge Structure Formations in DC Glow Discharge, IEEE TRANSACTIONS ON PLASMA SCIENCE, Bose, S; Majumder, J; Paul, MK
- 19 Possible Dynamics of Polymer Chains by Means of a Ricatti's Procedure - an Exploitation for Drug Release at Large Time IntervalsMATERIALE PLASTICE, Cobzearu, BM; Irimiciuc, S; Vaideanu, D; Grigorevici, A; Popa, O
- 20 FRACTAL ANALYSIS IN COMPLEX ARTERIAL NETWORK OF PULMONARY X-RAYS IMAGESUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Nichita, MV; Paun, VP
- 21 A NONLINEAR MODEL IN THE DYNAMICS OF TUMOR-IMMUNE SYSTEM COMBINED WITH RADIOTHERAPYUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Butuc, I; Mirestean, C; Iancu, D
- 22 Elementary processes in the dynamics of two simultaneously excited fireballs in plasmaINTERNATIONAL JOURNAL OF MASS SPECTROMETRY, Gurkui, S; Niculescu, O; Dimitriu, DG; Ionita, C; Schrittwieser, RW
- 23 System Dynamics Control through the Fractal PotentialACTA PHYSICA POLONICA A, Timofte, A; Botez, IC; Scurtu, D; Agop, M
- 24 Experimental and Modeling Results on Multiple Double Layers in Low-Temperature Discharge PlasmasIEEE TRANSACTIONS ON PLASMA SCIENCE, Dimitriu, DG; Afori, M; Ivan, LM; Agop, M
- 25 High-Frequency Instabilities in Sheaths and FireballsIEEE TRANSACTIONS ON PLASMA SCIENCE, Stenzel, R; Gruenwald, J; Ionita, C; Schrittwieser, R
- 26 Stopper Effects in Network Type Polymers, MATERIALE PLASTICE, Paun, VP; Nedeff, V; Scurtu, D; Lazar, G; Ghizdov, V; Agop, M; Solovastu, LG; Popa, RF
- 27 Nonlinear Behaviors in Gene Therapy Theoretical and experimental aspects, MATERIALE PLASTICE, Cioca, G; Pintea, M; Bacaita, ES; Oprea, I; Tanasa, IC; Volovat, SR; Dragan, VS; Trocaru, S; Anton, C
- 28 Tissue Engineering - Collagen Matrix Based Flaps - a Simple Construct Experimental and Theoretical Aspects, REVISTA DE CHIMIE, Susanu, S; Moraru, A; Costin, D; Rusu, CM; Agop, M; Cioca, G
- 29Accelerating the Bone Healing Process by the Intervention of the Platelet Growth Factors Impregnated in Collagen An experimental and theoretical mathematical model, MATERIALE PLASTICE Susanu, S; Popescu, M; Caba, B; Plamadeala, P; Moraru, A; Costin, D; Gavrilut, G; Agop, M; Cioca, G
- 30 Polymer Dynamics Through Group Invariance of SL(2R) - Type in a Fractal Paradigm, MATERIALE PLASTICE, Placinta, C; Petrescu, TC; Ghizdov, V; Irimiciuc, SA; Vasincu, D; Agop, M; Paun, VP
- 31 ON BENDING CREEP BEHAVIOUR OF A POWDER METALLURGY FeMnSiCrNi SHAPE MEMORY ALLOYARCHIVES OF METALLURGY AND MATERIALS, Ciurca, L; Pricop, B; Agop, M; Bujoreanu, LG
- 32 Investigation of fireball assisted double layer produced in a DC discharge plasma, PHYSICS LETTERS A, Sut, P; Gogol, P; Borgohain, B; Adhikary, NC; Bailung, H
- 33 Spectral Investigations of Two Simultaneous Fireballs in PlasmaTIM 2012 PHYSICS CONFERENCE, Gurkui, S; Niculescu, O; Dimitriu, DG; Ionita, C; Schrittwieser, R
- 34 Scenarios of Transition to Chaos Competition in Low-Temperature Plasma, TIM 2012 PHYSICS CONFERENCE, Dimitriu, DG
- 35 Oscillatory behavior of hollow grid cathode dischargesPROCEEDINGS OF THE 2019 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS (ICEAA) Schrittwieser, R; Teodorescu-Soare, CT; Enescu, F; Ionita, C; Dimitriu, DG; Gurkui, S; Mazzanti, F; Irimiciuc, SA; Hodoroaba, B; O'Hara, T; Vasilovici, O; Amarandi, L
- A3.1.1.2. Luhar I, Luhar S, Abdullah MMA, Razak RA, Vizureanu P, Sandu AV, Matasaru P.D.: „A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment” MATERIALS (Basel, Switzerland), vol.14, Is. 23, Article Number 7456, DOI 10.3390/ma14237456 , 2021 Cited in WoS: 71, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2
- Calcul: 60 articole care citează sunt Q1 sau Q2, din totalul de 77 == >> Punctaj total: $66 \times 2 \times 8/7 + (71-60) \times 8/7 = 150.85 + 12.57 = 163.42p$
- 1 A critical review of amyloid fibrils composites as emerging materials for the removal of metal ions from water: Synthesis, characteristics, removal performance and mechanism, DESALINATION, Q1, Su, PD; Wang, QQ; Zhang, CH; Li, YX; Jiao, LJ; Su, M; Xiong, HY; Zhang, JK
- 2 Application of activated phosphate by-products for removing methylene blue and cadmium, ENVIRONMENTAL RESEARCH, Q1En-naji, S; Mabroum, H; Khatib, K; Taha, Y; Haikou, R; Lodeiro, IG
- 3 Upcycling cement kiln dust for manufacturing clay bricks fired at different temperatures: RSM and ANN-GA hybrid-optimizationRESULTS IN ENGINEERING, Q1, Mebarkia, R; Bouzeroura, M; Boumaaza, M; Chelouah, N; Belaadi, A; Alshakh, IMH; Chetani, Y; Ghemaout, D
- 4 Utilizing metakaolin and siliceous waste from the alum industry to create geopolymer adsorbent for the removal of certain heavy metalsSCIENTIFIC REPORTS, Q1, Elewa, K; Tawfik, AF; Tarek, M; Al-Sagheer, NA; Nagy, NM
- 5 Optimizing Cu2+adsorption with low-temperature sintered dolomite-based geopolymer, CASE STUDIES IN CONSTRUCTION MATERIALS, Q1,Kamarzaman, FF; Abdullah, MMA; Fansuri, H; Jamil, NH; Tanthanuch, W; Mydin, MAO; Ediat, R; Nabialek, M; Zainol, MRRMA
- 6Enhancing single and multi-component adsorption efficiency of pharmaceutical emerging contaminants using bio waste-derived carbon materials and geopolymers, JOURNAL OF WATER PROCESS ENGINEERING, Q1, Ferreira, AP; Baldo, AP; Silva, AS; Natal, APS; Bezerra, AJB; de Tuesta, JLD; Marin, P; Peres, JA; Gomes, HT
- 7Synthesis, mechanism and physical properties of porous geopolymer-zeolite composites by in situ hydrothermal reaction for adsorption application, JOURNAL OF MATERIALS CHEMISTRY A, Q1, Li, Y; Zhao, Y; Zhang, CB; Zhao, HZ; Zhao, XF
- 8Incorporation of activated carbon into red mud/fly ash-containing 3D-printed alkali-activated materials for enhanced acid mine drainage remediation, SEPARATION AND PURIFICATION TECHNOLOGY, Q1,Almeida, MM; Gonçalves, NPF; Gameiro, T; Labrincha, JA; Novais, RM
- 9 Engineering mushroom mycelium for a greener built environment: Advancements in mycelium-based biocomposites and bioleather, FOOD BIOSCIENCE, Q1, Shankar, MP; Hamza, A; Khalad, A; Shanthi, G; Kuppireddy, S; Kumar, DS
- 10 Geopolymer-hydroxyapatite composite foams for wastewater remediation, CERAMICS INTERNATIONAL, Q1, Papa, E; Medri, V; Landi, E
- 11 A nutrient circular economy framework for wastewater treatment plants, DESALINATION, Q1, Soo, A; Shon, HK
- 12 3D-printing bauxite residue/fly ash-containing geopolymers as promising metal sorbents for water treatment, WASTE MANAGEMENT, Q1Almeida, MM; Gonçalves, NPF; Gameiro, T; Alves, Z; Labrincha, JA; Novais, RM
- 13Chemistry of zeolites and zeolite based composite membranes as a cutting-edge candidate for removal of organic dyes & heavy metal ions: Progress and future directions, SEPARATION AND PURIFICATION TECHNOLOGY, Q1Tufail, MK; Ibrahim, M; Rashid, M; Ul-Haq, I; Asghar, R; Uthappa, UT; Selvaraj, M; Kurkuri, M
- 14 Emulsion synthetic route of hierarchically porous zeolite-geopolymer composites for Sr2+ decontamination in fixed bed processCERAMICS INTERNATIONAL, Q1, Gossard, A; Henriet, L; Vannier, S; David, T; Barré, Y; Grandjean, A
- 15Modification of geo-filters (Basic Oxygen Furnace Slag - NaOH/Na2SiO3/FA) for the removal of Fe3+ and SO42- ions from acidic mine effluent in fixed bed column: Artificial intelligence modeling, JOURNAL OF WATER PROCESS ENGINEERING, Q1 Sithole, T; Orero, B; Ntuli, F; Okonta, F

163.42

- 16 Synthesis of multifunctional mesoporous geopolymer under hydrothermal curing: High mechanical resistance and efficient removal of methylene blue from aqueous medium, DEVELOPMENTS IN THE BUILT ENVIRONMENT, Q1 Amin, MS; Ramadan, M; Mohsen, A; Sayed, MA; Abu-Dief, AM; Ahmed, HA; Abdel-Aziz, AM
- 17 Optimizing raw material composition and alkali content in low silicon-aluminum tailings-based geopolymers, CONSTRUCTION AND BUILDING MATERIALS, Q1, Wang, H; Wang, L; Ren, ZS; Liu, SH
- 18 A state-of-the-art review of recent advances in porous geopolymer: Applications in adsorption of inorganic and organic contaminants in water, CONSTRUCTION AND BUILDING MATERIALS, Q1, Ettahiri, Y; Bouargane, B; Fritah, K; Akhsassi, B; Pérez-Villarejo, L; Aziz, A; Bouna, L; Benhachemi, A; Novais, RM
- 19 Adsorption of Heavy Metals from Contaminated Water using Leachate Modular Tower, CIVIL ENGINEERING JOURNAL-TEHRAN, Q1, Aneke, F; Adu, J
- 20 Open-cell mullite ceramic foams derived from porous geopolymer precursors with tailored porosity, JOURNAL OF ADVANCED CERAMICS, Q1, Shao, JH; Bai, CY; Li, XY; Yang, K; Zheng, T; Qiao, YJ; Zhang, LL; Li, HQ; Colombo, P
- 21 RETRACTED: Adsorption of dyestuff by nano copper oxide coated alkali metakaolin geopolymer in monolith and powder forms: Kinetics, isotherms and microstructural analysis (Retracted article. See vol. 274, 2025), ENVIRONMENTAL RESEARCH, Q1 Karuppaiyan, J; Multaimalar, A; Jeyalakshmi, R
- 22 Diverse material based geopolymer towards heavy metals removal: a review, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&TQ1, Arakiasamy, P; Abdullah, MMA; Abd Rahim, SZ; Sadique, M; Ming, LY; Salleh, MAAM; Zainol, MRRMA; Ghazali, CMR
- 23 Structural, optical, morphological and electrochemical properties of dual-shaped SrTiO₃ nanostructures with enhanced photocatalytic and supercapacitor performances, JOURNAL OF THE INDIAN CHEMICAL SOCIETY, Q2, Priya, LS; Dhanmozhi, AC; Mayandi, J; Govindaraj, BSP; Somu, AR
- 24 A decision intelligent approach for predicting stress-strain relationship of geopolymer concrete, WORLD JOURNAL OF ENGINEERING, Q2 Kumar, A; Mishra, SS
- 25 Influence of Alkaline Activator Properties on Corrosion Mechanisms and Durability of Steel Reinforcement in Geopolymer Binders, COATINGS, Q2, Chira, M; Lazarescu, AV; Hegyi, A; Vermesan, H; Csapai, A; Ionescu, BA; Toader, TP; Florean, C
- 26 Lightweight Insulating Geopolymer/Phase-Change Materials Applied Using an Innovative Spray Method, APPLIED SCIENCES-BASEL, Q2, Przybek, A; Romanska, P; Piatkowski, J; Lach, M
- 27 Synthesis of porous volcanic tuff-based geopolymer for nickel and cobalt removal, RESULTS IN CHEMISTRY, Q2, Matalkah, F; Hani, MB; Al-Momani, I
- 28 Use of Biowaste for Sodium Removal in Mediterranean Irrigation Water: A Sustainable Approach, CLEAN TECHNOLOGIES, Q2 Núñez-Gómez, D; Maciá-Vázquez, AA; Giménez-Valero, C; Martínez-Nicolás, JJ; Legua, P; Melgarejo, P
- 29 Biosorption of heavy metal ions from contaminated wastewater: an eco-friendly approach, GREEN CHEMISTRY LETTERS AND REVIEWS, Q2 Xie, SJ
- 30 Marangoni effect-driven salt resistance in arch-shaped solar interfacial evaporators, SOLAR ENERGY, Q2 Yu, LQ; Liu, F; Deng, WX; Luo, SS; Song, XX; Ning, C; Zeng, XY; Li, ZL; Ge, YY
- 31 Mobility of Zn and Cu in Bentonites: Implications for Environmental Remediation, MATERIALS, Q2 Nartowska, E; Podlasek, A; Vavrkova, MD; Koda, E; Jakimiuk, A; Kowalik, R; Kozłowski, T
- 32 Solidification Mechanism and Strength Characteristics of Alkali-Activated Tannery Sludge-Slag Geopolymer, BUILDINGS, Q2 Chen, SK; Duan, PD; Zhao, MD; Shi, HB; Bie, YJ
- 33 Geopolymers: Advanced Materials in Medicine, Energy, Anticorrosion and Environmental Protection, MATERIALS, Q2, Kudłacki-Kramarczyk, S; Drabczyk, A; Figiela, B; Kornejko, K
- 34 Multiwalled carbon nanotubes as hard templates to yield advanced geopolymer-based self-assembled nanostructured ceramics, MECHANICS RESEARCH COMMUNICATIONS, Q2 Xu, YZ; Lee, H; Buettner, N; Akono, AT
- 35 Development of Clay-Composite Plasters Integrating Industrial Waste, MATERIALS, Q2, Hegyi, A; Petcu, C; Ciobanu, AA; Calatan, G; Bradu, A
- 36 Microbial-Based Heavy Metal Bioremediation: Toxicity and Eco-Friendly Approaches to Heavy Metal Decontamination, APPLIED SCIENCES-BASEL, Q2, Zhou, B; Zhang, TJ; Wang, F
- 37 Study on the Possibilities of Developing Cementitious or Geopolymer Composite Materials with Specific Performances by Exploiting the Photocatalytic Properties of TiO₂ Nanoparticles, MATERIALS, Q2 Hegyi, A; Lazarescu, AV; Ciobanu, AA; Ionescu, BA; Grebenisan, E; Chira, M; Florean, C; Vermesan, H; Stoian, V
- 38 Review of Geopolymer Nanocomposites: Novel Materials for Sustainable Development, MATERIALS, Q2 Drabczyk, A; Kudłacki-Kramarczyk, S; Kornejko, K; Figiela, B; Furtos, G
- 39 The Influence of Substitution of Fly Ash with Marble Dust or Blast Furnace Slag on the Properties of the Alkali-Activated Geopolymer Paste, COATINGS, Q2, Ionescu, BA; Barbu, AM; Lazarescu, AV; Rada, S; Gabor, T; Florean, C
- 40 Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal, MATERIALS, Q2 Luhr, I; Luhr, S; Abdullah, MMA; Sandu, AV; Vizureanu, P; Razak, RA; Burduhos-Nergis, DD; Imjai, T
- 41 On the Sustainable Utilization of Geopolymers for Safe Management of Radioactive Waste: A Review, SUSTAINABILITY, Q2 Phillip, E; Choo, TF; Khairuddin, NWA; Rahman, RAO
- 42 Rheological behavior of geopolymer dope solution activated by alkaline activator at different temperature, APPLIED RHEOLOGY, Ahmed, I; Majid, NC; Abulkhair, H; Abu Hamdeh, NH
- 43 Recent scenario of e-waste recycling: chemical engineering, INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, Bhattacharjee, J; De, A; Kamila, B; Mandal, A
- 44 A quadripartite Cu₂O-CdS-BiVO₄-WO₃ visible-light driven photocatalyst contained three cascade Z-scheme systems: Focus on conditions' optimization, scavenging agents and the mechanism pathway towards sulfasalazine, IRANIAN JOURNAL OF CATALYSIS, Omrani, N; Nezamzadeh-Ejhieh, A
- 45 A COMPARATIVE REVIEW ON LOW-COST ADSORBENT BASED ALKALI-ACTIVATED MATERIALS BY ADSORPTION STUDY, ARCHIVES OF METALLURGY AND MATERIALS, Kamarzaman, FF; Abdullah, MMA; Rozainy, MR; Ahmad, R; Ibrahim, WMW; Mar, MF; Ghazali, CMR; Ibrahim, VMAV
- 46 THE EFFECTS OF FOAMING AGENT AND SURFACTANT ON ALKALI ACTIVATED MATERIALS AS AN ADSORBENT FOR LEAD IONS ADSORPTION, ARCHIVES OF METALLURGY AND MATERIALS, Ibrahim, WMW; Abdullah, MMA; Ahmad, R; Ibrahim, M
- 47 Regression and Cluster Analysis of GGBS based geopolymer composite at different proportion of Ceramic Dust, INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, Parashar, AK; Kumar, A; Gupta, N; Saxena, KK; Alla, N; Chandrashekar, R; Malik, V; Abdullaliev, D
- 48 A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook, ENVIRONMENTAL MONITORING AND ASSESSMENT, Maged, A; Abd El-Fattah, H; Kamel, RM; Kharbush, S; Elgarahy, AM
- 49 THE INFLUENCE OF FOAMING AGENT TOWARDS METAKAOLIN BASED ALKALI ACTIVATED MATERIALS PROPERTIES AND Cu²⁺ ADSORPTION, ARCHIVES OF METALLURGY AND MATERIALS, Ibrahim, M; Ibrahim, WMW; Abdullah, MMA; Mahamud, LH; Tajuddin, MNN; Yahya, NF
- 50 Hydration Characteristics And Leaching Behavior of Different Mixes Of Slag Based-Geopolymer Cement In Presence Of Heavy Metals, EGYPTIAN JOURNAL OF CHEMISTRY, Ahmed, DA; Ragai, SM; Abdallah, SH
- 51 Column Adsorption Studies for the Removal of Ammonium Using Na-Zeolite-Based Geopolymers, RESOURCES-BASEL, Q2 Sundharasu, E; Runtti, H; Kangas, T; Pesonen, J; Lassi, U; Tuomikoski, S
- 52 Physical, Mechanical and Radiological Characteristics of a Fly Ash Geopolymer Incorporating Titanium Dioxide Waste as Passive Fire Insulating Material in Steel Structures, MATERIALS, Q2 Salazar, PA; Fernandez, CL; Luna-Galiano, Y; Sánchez, RV; Fernández-Pereira, C
- 53 Evaluation of the Nature and Concentration of the Surfactant on the Properties of Red Mud/Metakaolin Porous Geopolymers Foamed with Aluminium, MATERIALS, Q2, Bilici, S; Carvalho, J; Labrincha, JA; Novais, RM
- 54 A mini guideline study for fly ash-based alkali activated foam masonry units, MATERIALES DE CONSTRUCCION, Kurtulus, C; Baspinar, MS
- 55 Geopolymer: A Systematic Review of Methodologies, MATERIALS, Q2, Matsimbe, J; Dinka, M; Olukanni, D; Musonda, I
- 56 A Bibliometric Analysis of Research Trends in Geopolymer, MATERIALS, Q2, Matsimbe, J; Dinka, M; Olukanni, D; Musonda, I
- 57 Future Trends in Advanced Materials and Processes, MATERIALS, Q2, Vizureanu, P
- 58 Photocatalytic activity of ZnO-PbS nanoscale toward Allura Red AC in an aqueous solution: Characterization and mechanism study, JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-

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| | <p>CHEMISTRY, Q2, Ramesh, A; Nezamzadeh-Ejeh, A 59 Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu²⁺, CASE STUDIES IN CONSTRUCTION MATERIALS, Q1Arakiasamy, P; Abdullah, MMA; Abd Rahim, SZ, Zainol, MRRMA; Salleh, MAAM; Kheimi, M; Chaiprapa, J; Sandu, AV; Vizureanu, P; Razak, RA; Jamil, NH 60 Porous geopolymers as innovative adsorbents for the removal of organic and inorganic hazardous substances: a mini-reviewINTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, El Alouani, M; Aouan, B; Rachdi, Y; Alehyen, S; El Herradi, E; Saufi, H; Mabrouki, J; Barka, N 61Environmental and human health implications of metal(loids): Source identification, contamination, toxicity, and sustainable clean-up technologiesFRONTIERS IN ENVIRONMENTAL SCIENCE Q2 Kumar, P; Gacem, A; Ahmad, MT; Yadav, VK; Singh, S; Yadav, KK; Alam, MM; Dawane, V; Pipode, S; Maurya, P; Ahn, Y; Jeon, BH; Cabral-Pinto, MMS 62 A Z-scheme CdS/BVO4 photocatalysis towards Eriochrome black T: An experimental design and mechanism study CHEMOSPHERE, Q1Hemmatpour, P; Nezamzadeh-Ejeh, A 63 Hydroxyapatite/Dolomite alkaline activated material reaction in the formation of low temperature sintered ceramic as adsorbent materialsCONSTRUCTION AND BUILDING MATERIALS.Q1 Kamarzamani, FF; Abdullah, MMA; Rahim, SZA; Kadir, AA; Jamil, NH; Ibrahim, WMW; Sandu, AV 64Efficacy of simultaneous hexavalent chromium biosorption and nitrogen removal by the aerobic denitrifying bacterium Pseudomonas stutzeri YC-34 from chromium-rich wastewater FRONTIERS IN MICROBIOLOGY, Q1, Yang, KY; Bu, HJ; Zhang, Y; Yu, HX; Huang, SN; Ke, LX; Hong, P 65 A Comprehensive Review on Fly Ash-Based GeopolymerJOURNAL OF COMPOSITES SCIENCE, Q2, Luhan, I; Luhan, S 66 The coupled BiOI/(BiO)2CO3 catalyst: Brief characterization, and study of its photocatalytic kinetics, JOURNAL OF SOLID STATE CHEMISTRY, Q1Vahabirad, S; Nezamzadeh-Ejeh, A; Mirmohammadi, M 67 A Scientometric Review on Mapping Research Knowledge for 3D Printing Concrete, MATERIALS, Q2He, C; Zhang, SY; Liang, YW; Ahmad, W; Althoey, F; Alyami, SH; Javed, MF; Deifalla, AF 68 Parametric optimization of Cu(II) removal process by a metakaolin-based geopolymer: Batch and continuous process designJOURNAL OF CLEANER PRODUCTIONQ1 Akar, ST; Colo, H; Sayin, F; Kara, I; Akar, T 69 Porous Biomass Carbon Derived from Clivia miniata Leaves via NaOH Activation for Removal of Dye, MATERIALS, Q2, Gao, W 70 Unravelling the Affinity of Alkali-Activated Fly Ash Cubic Foams towards Heavy Metals Sorption, MATERIALS, Q2Caetano, APF; Carvalho, J; Senff, L; Seabra, MP; Pullar, RC; Labrincha, JA; Novais, RM 71 Valorisation of Waste Glasses for the Development of Geopolymer Mortar-Properties and Applications: An AppraisalJOURNAL OF COMPOSITES SCIENCE, Q2, Luhan, S; Luhan, I 72 Detailed investigation of the optical and photocatalytic properties of ZnS/NiS nanocomposite for efficient water purification and dye degradation INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Q2, Amiri, F; Iranmanesh, P; Khorasanipour, N; Saeednia, S 73 Synthesis of Fly Ash and Metakaolin based Geopolymer and its Application, WATER AIR AND SOIL POLLUTION, Q2, Kaur, R; Bhatrola, K; Rachna; Keshu; Kaur, J; Suhag, S; Kumar, A; Maurya, SK; Kothiya, NC 74 A critical review of amyloid fibrils composites as emerging materials for the removal of metal ions from water: Synthesis, characteristics, removal performance and mechanism, DESALINATION, Q1, Su, PD; Wang, QQ; Zhang, CH; Li, YX; Jiao, LJ; Su, M; Xiong, HY; Zhang, JK 75 Activated Carbon-Geopolymer Composites: Influence of Particle Size and Content on CO2 Adsorption and Mechanical and Thermal Properties, CRYSTALS, Q2, Rimnácová, D; Perná, I; Novotná, M; Supová, M; Nováková, M; Bickáková, O 76 Strength and sustainability of recycled alkali-activated concrete across temperature and curing regimes, SCIENTIFIC REPORTS, Q1, Mokhtar, G; El Basha, MM; Younis, S 77 Study of Structure and Phase Formation During Thermal Treatment of Geopolymer Compositions Based on Mineral Waste, MATERIALS, Q2, Yatsenko, EA; Trofimov, SV; Novikov, YV; Goltsman, BM; Sergeev, VV</p> <p>A3.1.1.3. Sandu, A.V.; Vasilache, V.; Sandu, I.G.; Sieliechi, J.M.; Kouame, I.K.; Matasaru, P.D.; Sandu, I. <i>Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination</i>. MATERIALS 2019 (Q1 - Impact Factor 3.748 (2021), Volume: 12 Issue: 23, Article Number: 3836, DOI: 10.3390/ma12233836 Cited in WoS: 4, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 Calcul: 2 articole care citează sunt Q1 sau Q2, din totalul de 4 == >> Punctaj total: 2 x 2 x 8/7 + 2 x 8/7 = 4.57 + 2.28 = 6.85p</p> <p>1 Obtaining and Characterization of New Materials, MATERIALS, Q2Sandu, AV 2 ANALYSIS AND RESTORATION OF POTTERY ARTEFACTS FROM TELL EL-HIR, NORTH SINAI, EGYPT. A CASE STUDYINTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Q1, Elghareb, WK 3 Treatment Study of Brook Water by Using the Ultrafiltration Pilot with Polymeric Membrane, MATERIALE PLASTICE, Tataru, L; Barsan, N; Nedeff, FM; Sandu, I; Mosnegutu, E; Chitimus, DA; Cochiorca, A; Sandu, IG 4 Mathematical Model Regarding the Application of the Excitation-Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, MATERIALE PLASTICE, Dascalu, ME; Nedeff, F; Sandu, I; Mosnegutu, E; Sandu, AV; López-Ramírez, JA</p> <p>A3.1.1.4. Ionescu, D; Matasaru, D, Radu, V, "Study Of The Diffusion Controlled Properties In The Ferrite - Ferroelectric Nanocomposites " Source: University Politehnica of Bucharest Scientific Bulletin-Series a-Applied Mathematics and Physics Volume: 75 Issue: 4 Pages: 265-274 Published: 2013 Times Cited in WoS: 4, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 Calcul: 0 articole care citează sunt Q1 sau Q2, din totalul de 4 == >> Punctaj total: 4 x 8/3 = 10.66p</p> <p>1 Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe55Co15W2Y8B20, REVISTA DE CHIMIE Gondro, J 2, Effect of Heat Treatment on Magnetic Properties of Bulk Amorphous Alloys Fe63-xCo10Y7-xB20 (x = 0, 2), REVISTA DE CHIMIE Wyslocki, J; Talar, M 3 A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete, REVISTA DE CHIMIEBouaissi, A; Li, LY; Moga, LM; Sandu, IG; Abdullah, MMA; Sandu, AV 4 Microstructure and Structural Defects of Bulk Amorphous Fe64Co10Y6B20 Alloy, REVISTA DE CHIMIE, Bloch, K</p> <p>A3.1.1.5. Wattanapanich C., Imjai T., Garcia R., Rahim N.L., Abdullah M.M.A., Sandu A.V., Vizureanu P., Matasaru P.D., Thomas B.S. "Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions" MATERIALS (Basel, Switzerland), vol.16, Is. 2, Article Number 851, DOI 10.3390/ma1602085, 2023 (Q2), Times Cited in WoS: 7, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau</p> | <p>6.85</p> <p>10.66</p> <p>11.55</p> |
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Q2

Calcul: 6 articole care citează sunt Q1 sau Q2, din totalul de 7 == >> Punctaj total: $6 \times 2 \times 8/9 + 1 \times 8/9 = 11.55p$

1 Numerical Analysis on Flexural Shear Behavior of Reinforced Concrete Beams Strengthened with Fiber-Reinforced Polymer Grid and Engineered Cement Composites BUILDINGS, Q2, Guo, XY; Zhang, ZY; Sun, Q; Tian, PG

2 Preparation and characterization of silica aerogel foam concrete: Effects of particle size and content, JOURNAL OF BUILDING ENGINEERING, Q1 Li, Z; Wang, GC; Deng, X; Liu, Q; Shulga, YM; Chen, ZK; Wu, XX

3 Numerical Analysis of an Innovative Double-Strap Joint for the Splicing of Near-Surface Mounted Fiber-Reinforced Polymer Bars for Reinforced Concrete Beam Strengthening, APPLIED SCIENCES-BASEL, Q2, Rankovic, S; Zoric, A; Vacev, T; Petrovic, Z

4 Experimental Analysis of an Innovative Double Strap Joint Splicing of GFRP Bars by NSM Methods for Strengthening RC Beams PERIODICA POLYTECHNICA-CIVIL ENGINEERING, Rankovic, S; Folic, R; Zoric, A; Vacev, T; Petrovic, Z; Kovacevic, D

5 Experimental and Numerical Investigations of the Seismic Performance of Reinforced Concrete Frames Strengthened with CFRP Sheets, BUILDINGS Q2, Wang, Y; Chen, WH; Li, D; Xu, HG; Zhang, F; Guo, X

6 Experimental Behavior of High-Strength Concrete Reinforced with Aramid Fiber and Polyurethane Resin, BUILDINGS, Q2, Amraj, EFP; Ilangovan, P

7 The Reinforcing Effect of Nano-Modified Epoxy Resin on the Failure Behavior of FRP-Plated RC Structures, BUILDINGS, Q2 De Maio, U; Gaetano, D; Greco, F; Lonetti, P; Blasi, PN; Pranno, A

A3.1.1.6. Luminița Scripcariu, P.D. Mătășaru, "On the Substitution Method of the AES Algorithm" 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 15 Times Cited in WoS: 5 (3 autocitari), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2

Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 2 == >> Punctaj total: $1 \times 2 \times 8/2 + 1 \times 8/2 = 12p$

1 Practical Use of Secret Sharing for Enhancing Privacy in Clouds, ELECTRONICS, Curik, P; Ploszek, R; Zajac, P

2 A New Hybrid Online and Offline Multi-Factor Cross-Domain Authentication Method for IoT Applications in the Automotive Industry, ENERGIES, Khalid, H; Hashim, SJ; Ahmad, SMS; Hashim, F; Chaudhary, MA

A3.1.1.7. Luminita Dandu-Bibire, Zoltan Borsos, Daniel Mătășaru, Irinel Casian-Botez, Adrian Niculescu, Maricel Agop: "Gun-type effects in a generalized Maxwell field" – UPB Scientific Bulletin Series a-Applied Mathematics and Physics Volume: 73 Issue: 2 Pages: 175-184, 2011 Times Cited in WoS: 3 (0 autocitari), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2

Calcul: 0 articole care citează sunt Q1 sau Q2, din totalul de 3 == >> Punctaj total: $3 \times 8/6 = 4p$

1 Thermal Insulation Properties of Insulated Concrete REVISTA DE CHIMIE Shahedan, NF; Abdullah, MMA; Mahmed, N; Kusbiantoro, A; Hussin, K; Sandu, AV; Naveed, A

2 Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe₅₅Co₁₅W₂Y₈B₂₀, REVISTA DE CHIMIE Gondro, J

3 Effect of Heat Treatment on Magnetic Properties of Bulk Amorphous Alloys Fe₆₃-xCo₁₀Y₇-xB₂₀ (x = 0, 2), REVISTA DE CHIMIE Wyslocki, J; Talar, M, REVISTA DE CHIMIE

A3.1.1.8. P.D. Mătășaru, L. Scripcariu, F. Diaconu: "An up-to-date overview on QoS for Satellite IP networks", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Times Cited in WoS: 4 (1 autocitare), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2

Calcul: 2 articole care citează sunt Q1 sau Q2, din totalul de 3 == >> Punctaj total: $2 \times 2 \times 8/3 + 1 \times 8/3 = 13.33p$

1 Dynamic Routings in Satellite Networks: An Overview, SENSORS, Q2 Cao, XL; Li, YT; Xiong, XZ; Wang, J

2 5G for Construction: Use Cases and Solutions, ELECTRONICS, Q2 Mendoza, J; de-la-Bandera, I; Alvarez-Merino, CS; Khatib, EJ; Alonso, J; Casalderey-Diaz, S; Barco, R

3. A Real-Time Distributed Algorithm for Satellite Constellation Routing 2018 IEEE 18TH INTERNATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGY (ICCT) Liu, CY; Liu, YJ

A3.1.1.9. L. Scripcariu, F. Diaconu, P.D. Mătășaru, L. Gafencu, "AES Vulnerabilities Study", ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28-30 June 2018, Iasi, Romania Times Cited in WoS: 5 (1 autocitare), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2

Calcul: 3 articole care citează sunt Q1 sau Q2, din totalul de 4 == >> Punctaj total: $3 \times 2 \times 8/4 + 1 \times 8/4 = 14p$

1 Multi-Layer Cryptosystem Using Reversible Cellular Automata, ELECTRONICS, Q2 Stanica, GC; Angheliescu, P

2 Design of a Multi-Layer Symmetric Encryption System Using Reversible Cellular Automata, MATHEMATICS, Q1, Stanica, GC; Angheliescu, P

3 Practical Use of Secret Sharing for Enhancing Privacy in Clouds ELECTRONICS, Q2, Curik, P; Ploszek, R; Zajac, P

4 A New Hybrid Online and Offline Multi-Factor Cross-Domain Authentication Method for IoT Applications in the Automotive Industry, ENERGIES, Khalid, H; Hashim, SJ; Ahmad, SMS; Hashim, F; Chaudhary, MA

A3.1.1.10. L. Scripcariu, P.D. Mătășaru, F. Diaconu: "Extended DES Algorithm to Galois Fields", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Times Cited in WoS: 3 (1 autocitare), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2

Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 2 == >> Punctaj total: $1 \times 2 \times 8/3 + 1 \times 8/3 = 8p$

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|---|------|
| 1 Efficient Security Algorithm for Power-Constrained IoT Devices IEEE INTERNET OF THINGS JOURNAL, Q1, Mamvong, JN; Goteng, GL; Zhou, B; Gao, Y2021 | |
| 2 ShinyAnonymizer: A Tool for Anonymizing Health Data ICT4AWE 2019: PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGIES FOR AGEING WELL AND E-HEALTH, Vardalchakis, M; Kondylakis, H; Koumakis, L; Kouroubali, A; Katehakis, DG, 2019 | |
| A3.1.1.11. Daniel Mătăsar, Vlad-Andrei Scarlatache, Andrei Pruteanu, Bogdana Florean, Georgiana Viziteu, "Analysis of dielectric loss at high frequency, for a nanocomposite polymer matrix, based on Polypropylene with insertion of multi-walled carbon nanotubes (MWCNTS)", 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October 2012, Iasi, Romania, ISBN 978-1-4673-1171-7 pag. 116-119 Times Cited in WoS: 2 (1 autocitare), Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 | 1.6 |
| Calcul: 0 articole care citează sunt Q1 sau Q2, din totalul de 1 == >> Punctaj total: 1 x 8/5 = 1.6p | |
| 1 Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings REVISTA DE CHIMIE, Nejnaru, C; Perju, MC; Nergis, DDB; Sandu, AV; Bejnariu, C, 2019 | 8 |
| A3.1.1.12. P.D. Mătăsar, L. Scripcariu: "Innovative method for training students to develop enterprising, decision-making and cooperation skills through complex computernetworks team-design", 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 08007 Times Cited in WoS: 1, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 | |
| Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 1 == >> Punctaj total: 1 x 2 x 8/2 = 8p | |
| 1 ICT Enabled TVET Education: A Systematic Literature Review, IEEE ACCESS, Q2, Hassan, RH; Hassan, MT; Naseer, S; Khan, Z; Jeon, M, 2021 | 5.33 |
| A3.1.1.13. P.D. Mătăsar, L. Scripcariu, F. Diaconu: "On the QoS for Satellite IP networks: a Follow-Up", 2019 International Symposium on Signals, Circuits and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Times Cited in WoS: 1, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 | |
| Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 1 == >> Punctaj total: 1 x 2 x 8/3 = 5.33p | |
| 1 5G for Construction: Use Cases and Solutions, ELECTRONICS, Q2, Mendoza, J; de-la-Bandera, I; Alvarez-Merino, CS; Khatib, EJ; Alonso, J; Casaldey-Diaz, S; Barco, R, 2021 | 5.33 |
| A3.1.1.14. Petre-Daniel Mătăsar, Luminița Scripcariu, Felix Diaconu, "Analysis of proposed innovative methods for training students in IoT and Computer Networks within the frame of current trends in Technical and Vocational Education", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE 2018), 18-19 October 2018, Iasi, Romania, ISBN 978-1-5386-5061-5 Times Cited in WoS: 1, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 | |
| Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 1 == >> Punctaj total: 1 x 2 x 8/3 = 5.33p | |
| 1 ICT Enabled TVET Education: A Systematic Literature Review, IEEE ACCESS, Q2, Hassan, RH; Hassan, MT; Naseer, S; Khan, Z; Jeon, M, 2021 | |
| A3.1.2. Citări în cărți, reviste și volume ale unor manifestări științifice – cărți, reviste cotate BDI | |
| Realizări: Reviste cotate BDI si volume BDI Proceedings: Din cele 213 citări din SCOPUS scădem cele 152 WoS si raman 61 citări – toate citările pot fi verificate la adresa: https://www.scopus.com/authid/detail.uri?authorid=57194856295 | |
| A3.1.2.1. Luhar I, Luhar S, Abdullah MMA, Razak RA, Vizureanu P, Sandu AV, Matasar P.D.: „A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment” MATERIALS (Basel, Switzerland), vol.14, Is. 23, Article Number 7456, DOI 10.3390/ma14237456, 2021 (Q1) Cited in Scopus, fără citările WoS: 17, Punctaj: 4 / nr autori articol citat | |
| Calcul: 17 articole care citează == >> Punctaj total: 17 x 4/7 = 9.71p | |
| 1 Upcycling cement kiln dust for manufacturing clay bricks fired at different temperatures: RSM and ANN-GA hybrid-optimization, Results in EngineeringR., Mebarkia, Rahma; M., Bouzeroura, Mansour; M., Boumaaza, M.; N., Chelouah, Nasser; A., Belaadi, Ahmed; I.M., Alshalkh, Ibrahim M.H.; Y., Chetbani, Yazid; D., Ghemaout, Djamel, 2025 | |
| 2 Study of Heavy Metal Encapsulation in Geopolymerized Industrial Waste by Sequential Extraction, JOMLY., Angelova, Lyudmila Y.; D.D., Burduhos-Nergis, Dumitru Doru; A.R., Surleva, Andriana R.; A.V., Sandu, Andrei Victor; D.M., Ilieva, Darya M.; G.E., Chemev, Georgi E.; P., Vizureanu, Petrica, 2025 | |
| 3 Chemistry of zeolites and zeolite based composite membranes as a cutting-edge candidate for removal of organic dyes & heavy metal ions: Progress and future directions, Separation and Purification TechnologyM.K., Tufail, Muhammad Khuram; M., Ibrahīm, Muhammad; M.S., Rashid, Muhammad Sajid; I., Ul Haq, Ihtisham; R., Asghar, Rizwana; U.T., Uthappa, U. T.; M., Selvaraj, Manickam; M.D., Kurkuri, Mahaveer D., 2025 | |
| 4 Marangoni effect-driven salt resistance in arch-shaped solar interfacial evaporators, Solar EnergyL., Yu, Liqiang; F., Liu, Fan; W., Deng, Weixing; S., Luo, Shanshan; X., Song, Xiaoxiao; C., Ning, Chan; X., Zeng, Xiangyue; Z., Li, Zhili; Y., Ge, Yuan, 2025 | |
| 5 Role of Microfiltration in the Treatment of WastewaterEnvironmental Science and EngineeringJ., Gulia, Jyoti; N.P., Singh, Nater Pal; A.R., Santal, Anita Rani, 2025 | |
| 6 Microbial Screening and Morphological Analysis of the Peat Soil Gebeng, Malaysia, Journal of Physics: Conference SeriesM., Al Jaber, Maryam; N.B., Muhammad, Nurmunira Binti; H.F., Ahmad, Hajar Fauzan, 2025 | |
| 7 Characterization of potentially toxic elements in leachates from active and closed landfills in Nigeria and their effects on groundwater systems using spatial, indexical, chemometric and health risk techniques, Chemosphere, T.L., Jolaoso, Toheeb Lekan, 2024 | |
| 8 Geopolymer-hydroxyapatite composite foams for wastewater remediation, Ceramics InternationalE., Papa, Elettra; V., Medri, Valentina; E., Landi, Elena, 2024 | |
| 9 Innovative strategies to manage polluted aquatic ecosystem and agri-food waste for circular economyEnvironmental Nanotechnology, Monitoring and Management, R., Trivedi, Rashmi; T.K., Upadhyay, Tarun Kumar; F.S., Khan, Fahad Shahbaz; P., Pandey, Pratibha; R.S., Kaushal, Radhey Shyam; M., Sonkar, M.; D., Kumar, Deepak; M.A., Saeed, Mohd Alam; M.U., Khandaker, Mayeen Uddin; T.B., Emran, Talha | 9.71 |

| | | |
|-----------|---|--|
| Bin, 2024 | <p>10 A critical review of the mechanisms, factors, and performance of pervious concrete to remove contaminants from stormwater runoff, <i>Water Research</i> A., Azad, Armin; M.N., Sheikh, M. Neaz; F.I., Hai, Faisal I., 2024</p> <p>11 Optimizing of phosphate and ammonium removal from wastewater using modified zeolite: A response surface methodology approach <i>Edelweiss Applied Science and Technology</i> M., Nabeel, Mohammed; A.S., Dawood, Ammar Salman, 2024</p> <p>12 Structural health monitoring on seismic loading in buildings <i>Multidisciplinary Reviews</i> M.A., Ahmed, Mohammed Alameen; G.M.A., Nugroho, Guntur Marganing Adi; A., Zaki, Ahmad 2024</p> <p>13 Pollutants abatement in aqueous solutions with geopolymer catalysts: A photo fenton case, <i>Chemosphere</i> M., Clausi, Marina; S., Savino, Stefano; F., Cangialosi, Federico; G., Eramo, Giacomo; A., Fornaro, Antonio; L., Quatraro, Luca; D., Pinto, Daniela; L., D'Accolti, Lucia 2023</p> <p>14 Novel geomaterials for the remediation of toxic pollutants: A review <i>Hybrid Advances</i>, S., Sreenivasan, S.; K., Balasubramanian, Kandasubramanian 2023</p> <p>15 Design and characterization of hierarchical aluminosilicate composite materials for Cs entrapment: Adsorption efficiency tied to microstructure <i>Journal of Water Process Engineering</i> V., Proust, Vanessa; A., Gossard, Alban; J.C., Schaeperkoetter, Joseph C.; S., Vannier, Samuel; T., David, Thomas; Y., Barré, Yves; S.T., Misture, Scott T.; A., Grandjean, Agnès; H.C., Zur Loye, Hans Conrad, 2023</p> <p>16 Experimental studies on strength and durability of alkali activated slag and coal bottom ash based geopolymer concrete, <i>Materials Today: Proceedings</i> M., Yashwanth Reddy, M.; M., Harithanandh, M., 2023</p> <p>A3.1.2.2. Niculescu, O., Dimitriu, D.G., Paun, V.P., Matasaru, Daniel, Scurtu, D., Agop, M., "Experimental and theoretical investigations of a plasma fireball dynamics", <i>Physics of Plasmas</i>, vol.17, no. 4, 2010 Source: <i>Physics of Plasmas</i>, Volume: 17 Issue: 4 Published: APR 2010 DOI: 10.1063/1.3381067 Cited in Scopus, fără citările WoS: 4, Punctaj: 4 / nr autori articol citat</p> <p>Calcul: 4 articole care citează == >> Punctaj total: $4 \times 4/6 = 2.66$</p> <p>1 Competition of scenarios of transition to chaos in plasma – Experiment and theoretical modeling D.G., Dimitriu, Dan-Gheorghe Gheorghe; M., Agop, Maricel, 2013</p> <p>2 Experimental and theoretical studies on plasma fireballs interactions O., Niculescu, Oana; D.G., Dimitriu, Dan-Gheorghe Gheorghe; M.N., Danila, Mihail Nicolae; F., Unga, Florin; M., Agop, Maricel 2012</p> <p>3 Modeling of a scenario of transition to chaos in plasma through sub-harmonic bifurcation D.G., Dimitriu, Dan-Gheorghe Gheorghe; S.O., Gurliu, Silviu Octavian; M., Agop, Maricel 2012</p> <p>4 Negative differential resistance of the discharge plasma through fractal space-time theory M., Agop, Maricel; D.G., Dimitriu, Dan-Gheorghe Gheorghe; S.O., Gurliu, Silviu Octavian 2012</p> <p>A3.1.2.3. P.D. Măţăsar, L. Scripcariu, F. Diaconu: "An up-to-date overview on QoS for Satellite IP networks", 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Cited in Scopus, fără citările WoS: 5, Punctaj: 4 / nr autori articol citat</p> <p>Calcul: 5 articole care citează == >> Punctaj total: $5 \times 4/3 = 6.66$</p> <p>1 QoS-Guaranteed Routing in Satellite Optical Networks <i>Asia Communications and Photonics Conference, ACPL</i>, Wei, Longchao; X., Sun, Xiaoke; Z., Qin, Zhao; S., Qin, Shaobo; H., Li, Haicheng; P., Wang, Pengyu; X., Zhao, Xueqiang; Y., Li, Yajun; R., Zhu, Ruijie, 2024</p> <p>2 A Comprehensive Study on Satellite-based Data Communication for Big Earth Observation Systems, N., Supriha, N.; M.S., Narasimha Murthy, M. S., 2024</p> <p>3 A Case Study of Network Mobility (NEMO-BSP) Integration with Leo Constellation System <i>Recent Advances in Computer Science and Communications</i>, M.A., Sheikh, M. Altamash; N.S., Singh, Neeta S., 2021</p> <p>4 QoSRA: A QoS-Aware Routing Algorithm for Software Defined Satellite Networks, J., Zhang, Junzhou; R., Ding, Rui; J., Liu, Jiang; R., Zhang, Ran; H., Lu, Hua, 2021</p> <p>5 Research on Multi-layer Satellite Network QoS Routing Strategy Based on Logical Clustering, <i>Communications in Computer and Information Science</i> L., Liu, Lifang; X., Chen, Xiaoyan; Y., Wang, Yant; Z., Liu, Zeyu; X., Qi, Xiaogang, 2019</p> <p>A3.1.2.4. Wattanapanich C., Imjai T., Garcia R., Rahim N.L., Abdullah M.M.A., Sandu A.V., Vizureanu P., Matasaru P.D., Thomas B.S. "Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions" <i>MATERIALS</i> (Basel, Switzerland), vol.16, Is. 2, Article Number 851, DOI 10.3390/ma1602085, 2023 (Q2), Cited in Scopus, fără citările WoS: 1, Punctaj: 4 / nr autori articol citat</p> <p>Calcul: 1 articol care citează == >> Punctaj total: $1 \times 4/9 = 0.44$</p> <p>1 Performance of an EBR CFRP-strengthened RC slab using 24-h and cyclic load tests: a real case study, <i>Journal of Building Pathology and Rehabilitation</i>, R.K., Sridhar, Radhika Kala; P., Aasai, Pakjira; T., Imjai, Thanongsak; R., Garcia, Reyes; A.I., Shirkol, A. I.; N.L., Rahim, Nur Liza 2024</p> <p>A3.1.2.5. Ionescu, D; Matasaru, D, Radu, V, "Study Of The Diffusion Controlled Properties In The Ferrite - Ferroelectric Nanocomposites " Source: University Politehnica of Bucharest Scientific Bulletin-Series a-Applied Mathematics and Physics Volume: 75 Issue: 4 Pages: 265-274 Published: 2013 Cited in Scopus, fără citările WoS: 2, Punctaj: 4 / nr autori articol citat</p> <p>Calcul: 2 articole care citează == >> Punctaj total: $2 \times 4/3 = 2.66$</p> <p>1 Performance of an EBR CFRP-strengthened RC slab using 24-h and cyclic load tests: a real case study, <i>Journal of Building Pathology and Rehabilitation</i>, R.K., Sridhar, Radhika Kala; P., Aasai, Pakjira; T., Imjai, Thanongsak; R., Garcia, Reyes; A.I., Shirkol, A. I.; N.L., Rahim, Nur Liza</p> <p>A3.1.2.6. L. Scripcariu, F. Diaconu, P.D. Măţăsar, L.Gafencu, "AES Vulnerabilities Study", <i>ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence</i>, 28-30 June 2018, Iasi, Cited in Scopus, fără citările WoS: 3, Punctaj: 4 / nr autori articol citat</p> <p>Calcul: 3 articole care citează == >> Punctaj total: $3 \times 4/4 = 3$</p> <p>1 On the performance of AES algorithm variants, <i>International Journal of Information and Computer Security</i>, M.N., Alenezi, Mohammed N.; H., Alabdulrazzaq, Haneer; H.M., Alhatani, Hajed M.; F.A., Alobaid, Faisal A., 2024</p> <p>2 Fast image encryption algorithm with random structures, <i>International Journal of Computers and Applications</i>, T., Etem, Taha; T., Kaya, Turgay, 2023</p> | <p>2.66</p> <p>6.66</p> <p>0.44</p> <p>2.66</p> <p>3</p> |
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| | <p>3 Development of a Smart Traffic Light Control System with Real-Time Monitoring, IEEE Internet of Things Journal, L.F., Oliveira, L. F.P.; L.T., Manera, Leandro Tiago; P.C.G.D.A., Luz, Paulo Cesar Garcez Da Almeida, 2021</p> <p>Mai sunt disponibile aproximativ 30 citări ale diferitelor articole, pentru care nu s-a calculat punctajul.</p> | |
| | <p>A3.2. Membru în colectivele de redacție sau științifice ale revistelor indexate ISI 'sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI</p> <p>Realizări: Membru al Juriului Internațional EUROINVENT / ICIR – ediția 2018 Punctaj: 10</p> | 10 |
| | <p>A3.3. Membru în colectivele de redacție sau științifice ale revistelor indexate ISI 'sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI</p> <p>Realizări: Membru al Juriului Internațional EUROINVENT / ICIR – edițiile 2019-2025 (7 ediții) Punctaj 7 x 6 = 42</p> | 42 |
| Total punctaj Criteriu 3 | | 409.2 |
| Total general | | 882.44 |